Raveen Raj C

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Professional Summary

Results-driven Data Analyst and Machine Learning enthusiast with hands-on experience in data exploration, predictive modeling, and end-to-end project deployment. Proficient in Python, SQL, Power BI, and big data tools. Passionate about solving real-world problems through data-driven solutions. Seeking roles in data analytics, machine learning, or backend development.

Education

M.E. in Computer Science and Engineering (Big Data Analytics)
Anna University College of Engineering, Chennai   *2023–2025*
CGPA: 6.5

B.E. in Computer Science and Engineering
Jeppiaar Engineering College, Chennai   *2019–2023*
CGPA: 8.0

Skills

- **Programming Languages:** Python, C, R, SQL, HTML, CSS

- **Data Tools:** Power BI, Microsoft Excel, MongoDB, R Studio, D3.js

- **Machine Learning & AI:** Pandas, NumPy, Scikit-learn, TensorFlow, Deep Learning, Predictive Modeling, NLP, LLM Integration, Grad-CAM, LIME

- **Other:** Data Cleaning & Wrangling, Explainable AI

- **Soft Skills:** Problem Solving, Team Collaboration, Communication, Project Management

Projects

Plant Disease Diagnosis System

- Built CNN model (InceptionV3) to classify plant diseases using leaf images

- Generated Grad-CAM heatmaps, estimated severity level, and suggested remedies using ontology

- Predicted disease spread using synthetic time-series data (LSTM-based)

- Deployed via Streamlit with LLM-based chatbot for user interaction

Fake Store Web Scraping and Data Analysis

- Scraped product data using BeautifulSoup and Requests

- Performed EDA and visualizations using Plotly and Seaborn

- Created Power BI dashboard showing category-wise trends and stock alerts

Sales Forecasting Model

- Forecasted sales using ARIMA and Prophet models

- Visualized trends and detected anomalies for retail business decision-making

Personalized AI Chatbot Development

- Fine-tuned LLMs based on user-specific datasets

- Built an interactive chatbot that dynamically responds to context and user intent

Face Mask Detection System

- Developed CNN classifier using OpenCV to detect face masks in real-time

- Integrated webcam-based monitoring system to alert for non-compliance

Internship

Python and Data Science Intern
Spiro Solutions, Chennai   *2022*

- Worked on automation scripts and data preprocessing in Python

- Supported visualization development and ML training projects

Areas of Interest

- Data Analysis and Visualization

- Machine Learning and AI Research

- Big Data Engineering

- Backend Development